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ABSTRACT

[0162] New cross-laminates are formed of films of which at least two are uniaxially or unbalanced biaxially oriented, in which the main direction of orientation in one of these films crosses the main direction of orientation in the other one, having modifications, made in a suitable pattern, of the surface properties of the two films on the surfaces which are inside the laminate and are bonded to each other. The internally arranged surface layers of the films comprise an array of strands (101, 102) of coextruded material and the films are arranged so that the arrays of the two films cross one another. The strands may be used to control adhesion between the films and reduce the tendency to delaminate on repeated flexing, making a laminate suitable for use as a tarpaulin. Alternatively, especially in combination with provision of embossment of at least one of the films whose main layer is transparent to form striations (103), coloured colored strands may confer interesting visual effects on the laminate viewed from the side of that film which may make the laminate appear thicker than it actually is.